EDDY'S GIFTS TO SCIENCE.

SEISMOGRAPHS THAT NO JOGGLE CAN ESCAPE.

A Cloud Timer, the Idea of Which Was Ills, but Which Was Perfected by Anthony there is something Green on Mars.

hough a self-made scientist, William Eddy, kiteflyer, of Bayonne, N. J., seismographs of his own make that i tremors which get by all other seismographs on earth without making the

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Eddy was referred to the other day evening newspaper as the inventor of etsmograph, a delicate instrument for rding earthquakes and earth tremors. That's not exactly so," said Scientist y vesterday. *The principle of the seis-

graph was discovered some years ago lapan and a good many instruments been made and used at scientific But the advantage of my imments on the instruments in use elseis that they will record more differkinds of tremors than, for instance, sepamographs on the Isle of Wight Johns Hopkins University."

hady would dispute Scientist Eddy on point after seeing the seismographs cellar and in his front hall. They'll ord the rumble of a milkshake Bayonne drug store south of Thirty-Mr. Eddy's house is a two--a-balf-story frame structure in Bergen at and no tremors get by without shak-

of these seismographs consist of g strings that might be used for either saming or flying kites, if they had not been sence, which hang from the ceilthe top floor down through the stair igs to the ground floor. To the lower of each string is tied a boy's spinning p. The metal spindles of the tops rest gotly on two pieces of smoked glass. That's make-up of the upstairs, or parlor, eismographs. Whenever the strings swing sway the top spindles make scratches on the smoked glass.

There's nothing to indicate the exact time at which the scratches are made, but that, Mr. Eddy thinks, is of minor importance. He looks at the smoked glass every time he goes into the house and if

there is a scratch he makes a memorandum of the fact in a note book and then calls up the newspapers by telephone and informs them that there has been an earthquake in the vicinity of New York. Some of the papers always print it.

Her Mr Eddy does not rely altogether on his string and top seismographs in the hallway. They are too sensitive. Whenever the front door is opened and there is any wind the seismographs make scratches se leng that a timid person wouldn't dare stay in this part of the country. The passing of a wagon in front of Mr. Eddy's house may cause a record that would indicate the total destruction of Bergen Point. But the more reliable instruments in Mr. Eddy's seismograph collection are in the cellar, where no breeze can disturb them unless the wind happens to be from the south

where no breeze can disturb them unless the wind happens to be from the south and comes through the cellar door.

There are four seismographs downstairs. One of them is to record the swaying of the earth's crust from side to side and the other three get busy when the crust heaves up or down. They all make records on wash day, because the set tubs are in the same cellar, and the scrubbing of clothes makes tremors. Besides the set tubs and the seismographs Mr. Eddy has his coalbin in the cellar. The day after last winter's fuel supply was put in the seismographic records indicated the annihilation of the whole Atlantic seaboard.

records indicated the annihilation of the whole Atlantic seaboard.

The cellar seismographs are made of smoked glass, needles, laths, bicycle spokes and a piece of gaspipe. They work on the same principle as the strings and tops upstairs, only instead of swinging at the end of long pliant pendulums the needles are fixed to the ends of rigid gaspipe arms and rest on the glass. The glass and the needle arm both rest on the same floor, but Mr. Eddy is confident that the needle would shake first and make its tell-tale scratch before the quake could get under the glass and joggle that.

the glass and joggle that.

"The only thing that my seismographs can't do yet," said Mr. Eddy yesterday. "The only thing that my seismographs can't do yet," said Mr. Eddy yesterday, "is to record the exact time of a tremor but that isn't essential, for the daily press is alway able to determine that from the reports sent in from different localities. I call up the newspapers and tell them there has been an earthquake and the next morning the papers that are not sceptical print articles telling the exact minute at which the tremor was feit.

"My cellar seismographs were amply verified only the other day. It was on May 2s. I went down stairs and found a scratch. I called upstairs to find out who had

scratch. I called upstairs to find out who had fooled with the instrument. My wife said that nobody had. Then I looked at the secand seismograph and found a scratch there oo. Then I knew that there had been an arthquake. The third vertical instrument didn't work because the needle was rusty and stuck to the glass and my longitudinal seismograph was too near the chimney to get the tremor, but I knew from the first get the tremor, but I knew from the first two that there had been an earthquake and I rushed upstairs to send the information broadcast over the world. But my wife said that if I had earthquakes every day folks wouldn't believe me, so I let it go that night But the very next day I learned that another scientist, named Flynn, in New York had felt a shock in Warren street and a neighbor of mine, whose mother is so years old and goes to bed in the after-to in told me that the old lady felt the bed state just as she was getting in. That I resert absolutely the record of my seisne graphs. And another important point to graph. And another important point is that there was no record of that tremor on May 2s made by the seismograph at

notted that the credit of making the and true, was not due to him, but to the instrument. I was up in Stam-iming clouds. Mr. Comstock was superintending the shingling of a use at his country place. He saw herhouse at his country place. He saw my dond timer, and said he would make a before one, which he did with a couple of slingle blinders. This is the very instru-tions which he made."

by Vir Construct looks like a boy's Y-shaped sling. The other way up it looks like a Noal's Ark wooden indy without clothes. Go needing the two ends of the forks of the tracer there is an iron wire three inches to get an inch and a half to the middle. The leight of the whole thing is nineteen two. On one side is a hook upon which a Waterbury watch, alarm clock or any other timepiece may be hung. "Now," said Mr. Eddy, demonstrating as he went along, "the buttend of the thing is placed against the chin, which is in the same vertical line with the eyes. The other end is pointed at the cloud. You know no eye on the watch and one on the land and see how long it takes the cloud to ge that inch and a half on the wire. Then divide the inch and a half on the wire. Then of secon is, multiply the quetient by sixty. of secon s, multiply the quotient by sixty, multiply product by height of cloud, divide the product by nineteen, the total length f the timer and multiply that by sixty. The result shows the number of miles the cloud is going an hour. I doubt if there is another timer like this in use anywhere in Personal equation is not a factor in this

experiment with cloud speed, but correc-tions must be made for a receding chin. As the result of more than twenty years of investigation of tornadoes in the East Mr. Eddy has worked out the theory that the safest place to get when a tornado is on the way is to get in the southwest cor-per of the cellar and wait till things get caim up aloft, for tornadoes always travel from southwest to northeast and all of your house will blow away from you instead of onto you. To avoid having a house next

own cellar move before the tornado comes to the house southwest of your southwest neighbor.

Mr. Eddy has recently invented the chromoscope. Naming it he said, was the hardest part of the job. He thought of "scope" himself and a friend suggested "chromo." This is made of a cigar box, a piece of paper, a candle and a small hole and it proves. Mr. Eddy says, that there's something green on Mars. He thinks the green is vegetation, but isn't sure. It might be pistache ice cream, but its green according to the records of the chromoscope. Mr. Eddy has many slips of paper, each of a different color. He puts one in the box with a lighted candle, looks through a hole at the paper with one eye and at Mars or Venus or anything he likes with the other eye. If he can see both the papers and Mars or the outside object whatever it may be, at the same time, that indicates that the outside object is not of the same color as the paper, so he keeps on trying papers of other colors till he gets one that becomes invisible when looked at through the hole. That shows that the thing outside is of the same color as the paper inside. And that's how Mr. Eddy learned that Mars is green and it was with the chromoscope that Mr. Eddy discovered the red glow at sunset a week or so ago which he said was the result of volcanic dust from Martinique. Nobody else saw the glow but nobody else had a chromoscope. They are as rare as the Comstock cloud timer or the Eddy parlor seismograph.

the thore of the same as the Comstock cloud timer or the Eddy parlor seismograph.

PLAN FOR CHEAP KOSHER MEAT Includes an independent slaughter House——84,000 Aireads Subscribed.

The experiment of a kosher slaughter house on a cooperative plan is to be tried on the East Side. The meat will be sold to those retail butchers who will give guarantees that they will sell to their customers at a fixed price which will allow them a reasonable profit, but which will be within reach of every one. The Committee of 50 which was organized during the recent meat riots to effect a peaceable solution of the troubles, has been considering such a plan and at a meeting on Saturday night will sell to subscribe \$3,000 toward it.

It is expected that his offer will be followed by others from men interested in the movement and that within a few weeks the committee will have \$15,000 pledged, which will allow them to go ahead and arrange for the opening of such an eastablishment. From other sources about \$1,000 had been offered before Mr. Schlessel made his.

The place which it is planned to open will be cooperative only in the sense that the shares will probably the demand.

At the meeting on Saturday night fifty butchers offered to accept the terms of the committee which king lit is the same guarantee that the cooperative solugite remaindent in the movement and that within a few weeks the committee will have \$15,000 pledged, which will allow them to go ahead and arrange for the opening of such an eastablishment. From other sources about \$1,000 had been offered before Mr. Schlessel made his.

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The place which it is planned to open will be cooperative only in the sense that the shares will probably be sold as low as \$2 or \$3 and that the butchers and others interested are expected to subscribe for them. A subcommittee of fifteen will make an effort this week to learn where the cattle can best be obtained. It is thought independent packers in Philadelphia or Canada can supply the demand.

At the meeting on Saturday night fifty butchers offered to accept the terms of the committee and to give security that they would sell kosher meat of the best quality for six months at a certain price. This price has not a yet been fixed but it will be about 12 cents a pound. It will be to these butchers and as many more as will give the same guarantee that the cooperative slaughter house will be open. A store on the same plan is also being formed at Brownsville although on a smaller scale. The stock of the store there has been divided into 3 000 shares at a price.

formed at Brownsville although on a smaller scale. The stock of the store there has been divided into 3,000 shares at a price per share of \$3. Nearly all the shares have been taken.

Dr. David Blaustein, the superintendent of the Educational Alliance, and a member of the Committee of 50, said yesterday:

"The figures collected by the committee sh w that, for about three weeks 50,000 families in Greater New York abstained from all meat and that 1,500 butcher stores had to remain closed. No movement ever took such a hold on the people in my experience and they deserve to have some permanent beneficial result. The only way that any permanent low price can be obtained would be, it would seem, through the plan we are considering."

WORKED FOR HOWARD POTTER. Recalls the Family of the Bishop.

Mrs. Jane Fagan, the eighty-year-old Merwin of the Outdoor Poor Department for admission to the almshouse, saying that her two sons and married daughter refused longer to support her, will probably be taken there to-day. She was taken to the City Lodging House in First avenue on Saturday night, and orders were left there for her transfer to the aimshouse to-day. The old woman, according to her story, at one time was a servant in the home of Howard Potter, and her husband was a

coachman for the family Although very feeble, she talked intelligently yesterday about her hard life.

"It was over thirty years ago," she said, "that I went to work for Howard Potter. His wife, who was Louisa Brown, was a fine woman. I remained with the family about five years and then married. My husband worked in the stable. They lived in a fine house in Gramercy Park. Just as soon as I got married I left their employ.

as soon as I got married I left their employ, although my husband continued to work there for several years afterward.

"I knew old Bishop Potter of Pennsylvania, who was the father of Howard Potter and the present Bishop Potter of New York. The young Bishop was a slip of a lad when I first knew him. Sure, we all wondered when they made him a Bishop at such a young age.

"After I left the employ of the Potters, and it must have been over twenty-five."

and it must have been over twenty-five y-ars ago, I never saw any of them or neard but very little of them since then pkins or by the instruments at mer Bureau.

After my husband left them, and that was a good many years ago, he went into other business. He died about seven years ago. He left some land in Port Chester, which that the credit of making the is was not due to him, but to constock, the vice hunter.

In a mine, but Mr. Comstock.

in allowing her to go there.

"However," she said, "if they could only chip in a little each I might go to the home of the Little Sisters of the Poor. That would be better than going to the alms-

Police on the Excursion Boats With the Orders "Soft Drinks Only."

Capt. Elbert O. Smith of the Harbor police, reformed the rivers, the bays and the steamboat excursionists yesterday to the best of his ability. He put harbor policemen in plain clothes on all excursion craft with orders to permit no seiling of intoxicants, and to arrest all violators of the Excise law. Up to midnight no arrests had been made and as all boats were in then the police were satisfied that life on the ocean wave had been properly

on the ocean wave had been greated as a result of Capt. Smith's vigil there was a sombre-looking crowd streaming from the different landings last night in search of side doors. The Coney Island crowd, and there was a big one that returned on the iron boats, were meek and One little fat man who stood on the pier

One little fat man who stood on the pier at the Battery seemed perpiexed.

"Well, I'll be darned, he said, "this is the worst joke ever played on an unsuspecting public. I took this boat in preference to the trolley just to get a drink or two and I had to drink ginger ale."

The police were detailed in pairs on each boat and their attentions were directed solely to the bar departments.

Every Business Man reads THE SUN in order to properly prepare himself for the day's duties. All news is supplied and the advertiser reaps the benefit by this association.—Adv.

GLAD THE BOERS SURRENDERED OR. M'ARTHUR THINKS THEY'LL

SOON BE GLAD THEMSELVES. Advantage to the Boers -- Theirs an

frican war the Rev. Dr. R. S. MacArthur, pastor of the Calvary Baptist Church, dwelt upon the circumstances which led to the conflict and of the influences of the struggle upon civilization.

The pulpit was draped with American and British flags, and the service was attended by representatives of the British and Colonial societies of this city. The character of the service was made clear when Dr MacArthur, in announcing that the evening's hymn would be "My Country. Tis of Thee," said that such of those in the congregation as might desire could sing to the music the words of "God Save the King." It was noticeable that many of those in the church took advantage of the invita-

MASTERSON SCORNS SNOW.

and Snow Calls Masterson a Fool-Fron a Safe Distance Away.

Bat" Masterson, who, with three other men, was arrested on Thursday charged with having a "brace" fare layout in his possession, and George A. Snow, who is exchanged compliments yesterday. Mas terson, seated in the afé of the Metropole Hotel, said that Snow would never be so sorry for anything he had ever done. Snow, seated in the corridor of the Waldorf-Astoria, said that he wasn't afraid of Masterson and that Masterson could sue

him and "be damned " Masterson .pont most of vesterday hoping to hear that the papers in his civil suit Old Mrs. Fagan. Who Wants Almshouse Ald, for \$10,000 had been served on Snow. He and his lawyer, Henry J. Goldsmith, said they thought Snow had "ducked " If he had, they said, they would serve

"This man Masterson," said Mr. Snow,

but there, that's enough about it any-"How was I swindled? Well, I haven't

Asked if he had said that he hadn't been swindled, Mr. Snow replied:

"I never denied it. I only wouldn't tell the story, that's all."

Masterson's contribution to the controversy was this:

versy was this:

This feller Snow is one of the Mormon Snows and was born in St George, Utah. He's only been around Chicago, where I spose he says he hails from now, for a few years. I never saw the man before that. He's made a pretty bad mistake and he'll be sorry for it. I'm just waiting for court time to-morrow to show just what a hig mistake he's made and what a hole he's in. I'm only speakin' for myself, mind you.

you."
Masterson and the other arrested men,
Jehn F. Sanders, Leopold Franks and
James T. Sullivan, will be arraigned again
in the Tombs police court this morning.
Capt. Titus said that Snew would be on hand

KILLED BY FRIGHT. Mrs. Feeley Thought It Was Her Own Son she saw Falling.

Mrs. Thomas Feeley of 124 Jefferson street, Hoboken, fell dead yesterday afternoon of fright, caused by a child falling from a window. She had been ill for three weeks and was allowed to get up yesteriny for the first time. As she stood by an open window for a moment to get fresh air, window for a moment to get Iresh air,
John Broderick, aged 8 years, fell from
a near window to the sidewalk.

Mrs. Feeley thought it was her own
son and gasping "Oh, Charlie!" sank to
the floor and died in five minutes. She
was 35 years old. She leaves a husband
and three small children. The Broderick boy
will live.

launch Charlotte to the New York Athletic Club games at Travers Island on Saturday. was returning that night at 6 o'clock when was returning that hight at 6 o clock when the launch struck submerged rocks at the south end of Glen Island and stuck there. One of the passengers played a mandolin to amuse the company, and after about an hour they were all taken off and brought to Glen Island. The launch was got off the rocks and the party was landed at Port Morris at 930 o clock.

Big frowd on the Bridge.

At 3 o'clock yesterday afternoon the crowd waiting for through trains on the Bridge wasting for through trains on the Bridge was so great that the Brooklyn Rapid Tran-sit men in charge had to discontinue the through Fifth avenue service and make those waiting take Bridge cars to Brooklyn and there connect with the Fifth avenue elevated line. At 10:39 o'clock last night the through Fifth avenue service was re-

HUSBAND TWICE HER AGE. MRS. FAIRBIEN WEDS JOHN A.

0

BODE, 76 YEARS OLD. a Wealthy Retired Grocer and He Looks Ten Years Younger Than He Is She Was a Widow His Great

Delight in Listening When She Sang. 11 John A. Bode, 76 years old, a wealthy not be by publication. Mr. Snow said he had 38 years old, widow of William M. Fairbien, been around the hotel nearly all day and | who had been connected with the Charles hadn't received the papers. He wasn't Parker Hardware Company of Meriden, Conn., were married last Wednesday night at the bride's home, 696 Putnam avenue, "is a fool if he's doing any such thing as this That's all I've got to say about him, by the Rev. John A. Billingsley, pastor of this That's all I've got to say about him. Who's made a complaint against him? Not I. I haven't made any complaint, have 1? As a matter of fact, I never saw this feller Masterson before, although I'd heard of him. I don't say that he has any connection with the case.

The police have got their evidence in the crocked outfit they captured uptown. That ought to be good enough. Let them go ahead with the case now. I was only asked to do a personal favor in this matter—but there, that's enough about it any—but there.

Music While the Launch was Aground.

Walter Drummond, who took a party of twenty men and women on the naphtha war veterans. The Rev. Williard P. Harmon presided. The church was decorated with flags and harvers and resided residences.

WHO WAS MARY DOUGLASS? Well-Dressed Woman Kills Herself

Colonial Hotel, Coney Island. A handsomely dressed woman, about 45 years old, who registered as "Mary Douglass, Obio," at the Colonial Hotel, Surf avenue West Seventeenth street, Coney Island, late on Saturday night, was found in bed yesterday morning suffering from carbolic poisoning. She retired to her room at 11 o'clock Saturday night, after telling a chambermaid, found the woman lying zibar. He has accepted and for \$40 a week unconscious on the bed, fully dressed, with will look after the interests of this counan empty bottle labelled carbolic acid. in her right hand. She was breathing heavily

The Rev. Dr. George Hughes Hepworth mostly Arabs, have been under a British died at 11 o'clock on Saturday night at his apartments in the Chelsea, 222 West Twenty-third street. Dr. Hepworth had been a muscal circles. She had no children by the former marriage. Mr Bode has an adult son and a daughter, who were musch appeared to his marriage and the heart of the most his marriage and the heart of the third street Dr Hepworth had been a Zanzibar, and when he wants recreation sufferer from both rheumatism and gout, and his health had been failing for two years. He took to his bed last Wednesday and Mrs.

MASON MITCHELL TO ZANZIBAR

5 cents for a package of

the best ginger snaps you ever tasted.
A surprise in spice. Just enough ginger to tickle the palate. Just sweet enough to

Zu Zu

GINGER SNAPS

at 5 cents a package show the possibilities of modern methods of baking; show the futility of baking at home. What's the use of

worriment and trouble when you can get a feast of goodness in an In-er-seal

Say Zu Zu

NATIONAL BISCUIT COMPANY

Package for only 5 cents.

give you an appetite for more.

EX-ACTOR AND ROUGH RIDER GETS A JOB AS CONSUL.

Business for the United States at the Ivery Port Salary Is 840 a Week

She was removed to the Reception Hos- tain friendly relations with Hamud bin Muhamad bin Said. Sultan of Zanzibar, but hasn't much to do. as all his dominions and their people,

Consul Mitchell will live in the city of

will cross over to the mainland to hunt elephants. Fle is now living at 248 West Forty-fourth

FASTING HASWRECKED HERLIFE Mrs. Kurtz Weighs 21 Pounds More Than

BOSTON, June 8 - Mrs. J. Kurts. who a warning to all people, young and old, to avoid the evils of a temporary abstinence. she says that going without food twenty-He was wounded at San Juan Hill, | one days has wrecked her life. Mentally Masen Mitchell, the ex-actor, has been appointed United States Consul at Zandibar Helias accepted and for \$40 a week will look after the interests of this country's trade in elephants' tusks and maintain friendly relations with Hamud bin Muhamad bin Said.

Hamud bin Muhamad bin Said is the Sultan of Zanzibar, but hasn't much to do as all his dominions and their people, mostly Arabs, have been under a British protectorate since 1890.

Consul Mitchell will live in the city of Consul Mitchell will live in the city of pounds.

I had a disordered stomach, bad headache, pain in the bowels, shortness of breath and had feeling all over, and after eating was so swollen that I had to take off corsets. Finally a young lady where I am employed advised me to try Ripans Tabules. Well they seemed to relieve me. so I have taken them for past two months and now I feel fine and have gained ten,

At druggists.

The Five-Cent packet is enough for an ordinary occasion. The family bottle, 60 cents, contains a supply for a year.

EVERY HOUR

THERE'S A TRAIN TO

PHILADELPHIA

READING ROUTE

NEW JERSEY CENTRAL

Trains run direct to Reading Terminal, and are equipped with up-todate Pullman Parlor Cars and Coaches

